Class Exercise or "homework 11"

As discussed in the previous lectures, we have one last collaborative class exercise which will count as HW11. This can be turned in any time before noon on Thurs Apr 26th. The solution can be freely-shared and discussed and collaborated on via our e-mail discussion forum. Submittal should be just like with homeworks, one by each homework pair, or it can be individually submitted if you work alone. Case 1 simulation has been built for you, but you should take a look at parameters and modify them for the voltage level and MVAR size of the cap bank of your choosing.

Case 1a - Cap bank deenergization, with grounded neutral.
Case 1b - Cap bank deenergization, with ungrounded neutral.

Case 2 - Statistical Switching - Synchronized closing (energization) of cap bank.

Case 3 - Reactor Deenergization, pp.10-15 of Reactor Switching Handout.

In each case, document the problem and the simulation, then provide an explanation of what is happening and why in the context of the concepts and theories involved.